

New U.S. Patent Appln.
PRELIMINARY AMENDMENT

PATENT

IN THE ABSTRACT:

Please replace the original abstract with the attached
substitute abstract.

ABSTRACT

An apparatus (1) to assist a patient's respiration by delivering air to a patient through a mask, the mask designed to be connected to a first extremity of a tube, the apparatus including:
5 a control unit (2) to adjust the pressure delivered by a blower (4), a first pressure sensor (6) for sensing pressure P_M at the first tube extremity and being connected to the control unit, and a second pressure sensor(8) for sensing pressure P_B at the air output of the blower and being connected to the control unit; so
10 that, when a tube is connected to the mask and connected to the apparatus at its second extremity, the air flowing from the apparatus to the mask, the control unit is able to calculate the airflow at the tube's second extremity from the pressures P_M and P_B and from the tube's airflow resistance coefficient K_t .